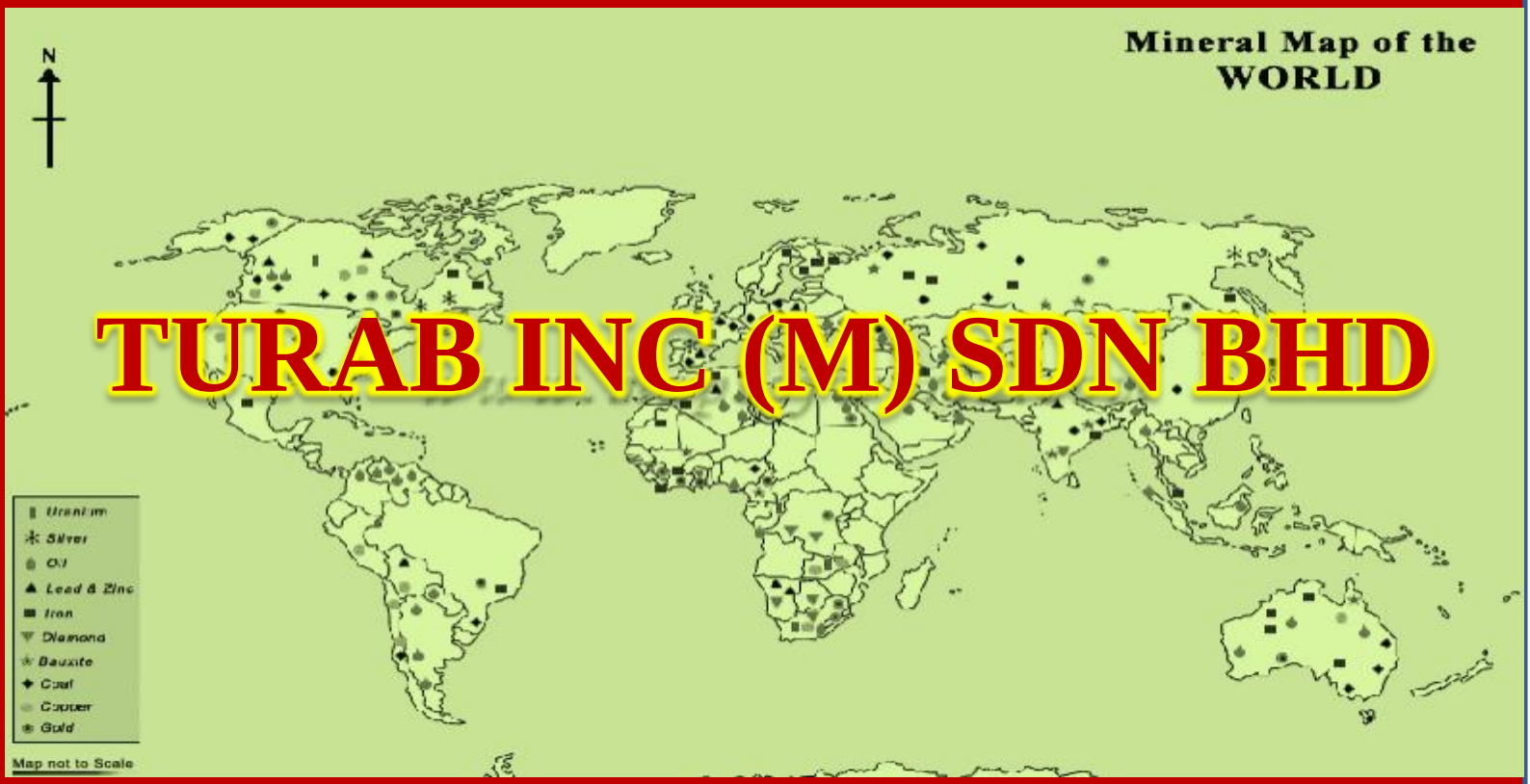
COMPANY PROFILE



TURAB INC (M) SDN BHD

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1. Company Profile

1.1 The Company:

Turab Inc (M) Sdn Bhd is a Minerals Trading Company based in Malaysia, specializing in Phosphate Rock Ores exploration, development, and distribution. It was incorporated in 2008 and operates out of Port Klang, Malaysia's Premier Port City and Industrial Hub. Currently the company imports up to 40,000 MT of Rock Phosphate in grinded and grounded form annually and distributes it to the clients in Malaysia. It has the capacity to import up to 150,000 MT to 200,000 MT of rock phosphate in lumps and Crushed forms and deliver it anywhere in Malaysia.

1.2 Our Vision

The goal of the organization is to become a leading and trusted company in the minerals and metallurgy field in the Far Eastern Region. The company aims to develop an efficient supply chain that conserves human, energy, and time resources while also making their commodities affordable to the business community, which will ultimately improve people's lives.

1.3 Our Values

Turab Inc (M) Sdn. Bhd. believes in client-oriented values, with a strong belief that "A satisfied customer is the best business strategy of all." The company practices ethical business and believes in cultivating a win-win relationship in all their dealings.

1.4 Our Mission

1.5 Turab Inc (M) Sdn. Bhd. aims to be a productive and beneficial member of society by providing high-quality services based on integrity, value creation, and superior standards.

1.6 Commitment to the Society

Turab Inc (M) Sdn. Bhd. is committed to being environmentally aware and believes in the universal truth that if we do not allow the earth to produce beauty and joy, it will eventually stop producing food as well. The company is dedicated to providing products that promote the earth's ability to produce beauty and joy. The company acknowledges that we do not inherit the earth from our ancestors but borrow it from our children, and thus, we have an obligation to return it to them in a way that produces beauty and happiness.

2. What and how we do?

PROCESSING OF PAKISTAN ROCK PHOSPHATE.

No.	Job/ Description
1.	**Search:** Identifying and evaluating potential areas where valuable mineral deposits may exist. This process typically involves a combination of geological research, remote sensing techniques and on-site exploration and testing. Geologists and other experts use various tools and methods to study the geology of a region, such as analyzing rock formations. Once a promising area has been identified, on-site exploration and testing may be conducted to confirm the presence and quality of mineral deposits. This typically involves drilling, sampling, and analyzing rock and soil samples to determine the type, quality, and quantity of minerals present. The results of these tests can then be used to determine the economic feasibility of mining in the area.
3.	**Quality Assurance:** **Sampling:** Representative samples of the mineral are taken at various stages of the mining, processing, and transportation process. **Testing:** The samples are tested for various physical and chemical properties to determine their quality and suitability for specific applications. These tests may include assays, chemical analyses, and physical property tests. **Quality control:** Once the mineral has been tested and meets the specified quality standards, quality control measures are put in place to ensure that subsequent batches of the mineral meet the same standards. **Documentation:** All testing and quality control activities are documented to provide a record of the mineral's quality and to facilitate traceability in case of any issues or concerns.
6	**Warehousing, Forwarding and Distribution** After passing all quality checks, the minerals are transferred to 50 kg PP bags with plastic inner linings. Then stock is stored in a rainproof area that is free from excess moisture and dampness. To prevent any spillage, the sacks are properly sealed, weighed and handled with care at every stage of the process. This helps to ensure that the minerals remain in good condition and are protected from external elements that may affect their quality. We use efficient mode of transportation and routes and shipment schedules to ensure that the stocks are delivered to their destinations in a timely and cost-effective manner. When the minerals reach their destination, they are unloaded and delivered at the doorsteps of valuable clients.

3. Products

3.1 Rock Phosphate

Phosphate rock is a type of rock that contains high concentrations of phosphate minerals. Phosphorus, one of the major nutrients required by plants, plays a crucial role in metabolic processes and energy transfer and storage at the cellular level. Phosphorus is primarily consumed by plants and animals as a component of nitrogen-phosphorus-potassium (NPK) fertilizers. About 90% of phosphate mined is used to produce chemical fertilizers. The demand for phosphate fertilizers is expected to increase with the growth in world population and food requirements, particularly in developing nations such as China, India, and North America. Since the start of recorded production in 1847, more than 2 billion tonnes of phosphate rock have been mined worldwide. World resources of phosphate rock are estimated to be greater than 300 billion tonnes.

3.1.1 Pakistan Rock Phosphate

Pakistan is rich in rock phosphate deposits, with some of the largest and highest-quality deposits located in the country. The rock phosphate deposits in Pakistan are primarily of sedimentary origin and are found in the form of phosphorite, which is a mineral composed primarily of calcium phosphate. The rock phosphate deposits in Pakistan formed approximately 65 to 100 million years ago, during the Late Cretaceous to Early Tertiary periods, when the area was covered by a shallow sea. They were formed from the accumulation of sediment and the remains of marine organisms, and they have since been exposed at the surface through weathering and erosion.

The rock phosphate found in Pakistan is typically of high grade and is composed mainly of the mineral apatite, along with other minerals such as calcite, quartz, and dolomite. It contains high phosphate up to 34% P2O5 with moderate Silica and low in Aluminium.

3.1.2 **Pakistan Rock Phosphate Range Supplied by Turab Mines.**

Element	Percentage
Phosphate as P_2O_5	28% to 32%
Iron as Fe_2O_3	< 2.5%
Silica as SiO_2	< 20%
Calcium as CaO	> 38%
Magnesium as MgO	< 1%
Aluminums as Al_2O_3	< 2.5%
Potassium as K_2O	< 1%
Sodium as Na_2O	< 0.5%
Strontium as SrO	< 0.02%
Sulfur as SO_3	< 0.03%
Moisture	< 2%
MnO	0.06%
Fluorine	1.74%
Yuttrium as Y_2O_3	0.02%
Flouride	1.32%
Arsenic	<10ppm

3.1.3 **Grades & Forms**

Grades P_2O_5	Forms			
	Lumps	Crushed	Powdered	Granular
18%	Yes	Yes	-	-
26%	Yes	Yes	-	-
28%	Yes	Yes	Yes	Yes
30%	Yes	Yes	Yes	Yes
32%	Yes	Yes	Yes	Yes

3.1.4 **Sizes**

Grades P_2O_5	Forms			
	Lumps	Crushed	Powdered	Granular
18%	<=4”	<=8 mm	-	
26%	<=4”	<=8 mm	-	
28%	<4”	<=8 mm	120-160 mesh	3 to 5 mm
30%	<4”	<=8 mm	120-160 mesh	3 to 5 mm
32%	<4”	<=8 mm	120-160 Mesh	

3.1..5 **Packing:**

Rock Phosphate in Mesh form is available in 50 Kgs PP Bags (82-85 grams) with Plastic liner inside of 0.006 mm and as well in One Ton Bags. Lumps and Crushed Material is directly loaded and offloaded to and from the containers.

3.2 Magnesium Oxide (MgO)

Magnesium oxide more commonly called magnesia is a versatile mineral. This common mineral is found naturally in white powder form in metamorphic rocks. The useful properties of this material make it an ideal tool for a wide range of activities. By far the largest consumer of magnesia worldwide is the refractory industry, which consumed about 56% of the magnesia, the remaining 44% being used in medical, agricultural, chemical, construction, environmental, and other industrial applications.

Element	Before Burn	After Burn
MAGNESIUM AS MgO	40 to 47.8%	80-94% min

3.3 Calcium Carbonate

Calcium carbonate is a chemical compound with the chemical formula $CaCO_3$. It is a common substance found in rocks. Calcium carbonate is an active ingredient in agricultural lime, and is usually the principal cause of hard water. The main use of calcium carbonate is in the construction industry. It is also commonly used medicinally as a calcium supplement

Element	Percentage
$CaCo_3$	98.41%
$MgCo_3$	00.86
loss of ignition	43.155
PH	8.2
Bulk Density	1236.0g/litre
Mesh size	400mesh and 600mesh
CaCo3	98.41%

3.4 Calcium Fluoride

Calcium fluoride is the inorganic compound with the formula CaF_2. This ionic compound of calcium and fluorine occurs naturally as the mineral fluorite (also called fluorspar). It is the source of most of the world's fluorine. Calcium fluoride (CaF_2) is used in aluminium-metallurgy, brake lining, glass manufacturing, enamel and glazing frits production, dental application, and production of welding agents.

CaF_2	60% to 80%
SiO_2	1.88%
$CaCo_3$	24.71%
Sulphur S	00.32
Size	15mm to 60mm

3.5 Muriate of Potash (MOP)

Potassium chloride is occasionally known as "muriate of potash," or MOP particularly when used as a fertilizer. Potassium chloride crystals are face-cantered cubic. The majority of the potassium chloride produced is used for making fertilizer, since the growth of many plants is limited by their potassium intake. As a chemical feedstock it is used for the manufacture of potassium hydroxide and potassium metal. It is also used in medicine, scientific applications, food processing, and as a sodium-free substitute for table salt (sodium chloride).

3.6 Coal: Coal is a readily combustible black or brownish-black sedimentary rock normally occurring in rock strata in layers or veins called coal beds. Coal is primarily used as a solid fuel to produce electricity and heat through combustion.

3.7 Olivine: The mineral olivine is a magnesium iron silicate. It is usually named for its typically olive-green colour (thought to be a result of traces of nickel). The aluminium foundry industry uses olivine sand to cast objects in aluminium.

3.8 Silica Quartz,

Over 95% purity Silica Quartz is very essential Raw material it is used as a light abrasive, in products like toothpaste. Other uses include filler in silicone elastomer and viscosity adjustment in paints, coatings, printing inks, adhesives, cosmetics, sealants, toiletries, food, beverages and unsaturated polyester resins

3.9 Granular Fertilizer: Turab Mines produced Granular Fertilizer containing high concentrated P2O5 from 25% to 30% is our own production. The fertilizer can be used the time of preparation of land. It is readily accepted by the crops.

3.10 Partially Acidulated Rock Phosphate We Provide Rock Phosphate partially acidulated containing 45% to 50% solvable P2O5 for direct application.

4 Our Precious Clients:

We take pride in the fact that we have several loyal customers who place their trust in our products and services. Among our esteemed clients are:

4.1 Sinergi Perdana

Sinergi Perdana Sdn. Bhd. is a consortium formed by Malaysia's biggest government plantation agencies, namely Rubber Industry Smallholders Development Authority (RISDA), FELCRA Berhad and Federal Land Development Authority (FELDA). The initial idea to form Sinergi Perdana Sdn. Bhd. was put forward by Prime Minister, YAB Dato' Sri Mohd Najib Tun Hj. Abdul Razak, for the 3 agencies to coordinate their plans and strategies in exploring various business ventures especially in fertilizer and agrochemical business.

4.2 CCM Fertilizer Division

CCM Fertilizers Division manufactures and trades a complete range of fertilizers for all crop needs. As the only fertilizer manufacturer in the country to have been accredited with the prestigious SIRIM MS49:1994 product certification and ISO9001:2008 process certification, and with a large dealer network, our fertilizers are readily available to the customers and agricultural community locally and neighbouring countries.

4.3 Consolidated Fertiliser Corporation Sdn Bhd Ex GLC's

Consolidated Fertiliser Corporation Sdn Bhd (CFC) was incorporated on 8th March 1978 and is ISO-9001 certified Company. CFC is manufacturing NPK Compound Fertilizer.

4.4 Malaysian NPK Fertilizer Sdn Bhd

Malaysian NPK Fertilizer Sdn Bhd is a joint venture company of NAFAS, State Farmers Association, Regional Farmers Association, Farmer Members and Petronas Fertilizer Kedah Sdn Bhd which started operating in 2004.

4.4 Wilmar International Indonesia

PT AGRI INDOMAS
GEDUNG MULTIVISION, JL.KUNINGAN MULIA,
LOT.9B LT.12 JAKARTA 12980,
INDONESIA.

Somemore valuable clients whom we supply our products.

Twin Arrow Fertilizer Sdn. Bhd.

Agroharta Fertilizer Sdn Bhd

Yinpolin Agriculture Sdn Bhd (Hextar Holdings Sdn Bhd)

Agromate (M) Sdn Bhd

Agromaster Fertilizer Sdn Bhd

Advanced Fertilizer Manufacturer Sdn Bhd

AMBMR Supply Chain Sdn Bhd

Bluedebaaj Sdn. Bhd.

Through our Associates.

Behn Meyer Agricare (M) Sdn Bhd

Phosphate Resources Sdn. Bhd.

5 Quality Assurance

We have three tier Quality Checks before the stock/products are delivered to our valuable clients. We have lab facility at the site area where stock is checked before entering into grinding facility and after coming out from grinding facility. The stock is moved to the Port Areas where the Samples are again collected and submitted to the prestigious mineral labs before it is shipped to destination ports. After receiving the stock in Malaysia the samples are again collected and tested in Malaysian Laboratories to ensure the stock is as per the local requirements. Our stock quality is checked by Pakistan Council of Scientific and Industrial Research, SGS Pakistan and SGS Malaysia.

6 Observance of Laws

We strictly follow and observe the local, regional and international laws while delivering our duties and assignments. No contraband item or commodity is traded, transported and delivered. We have obtained legal documents from many of our suppliers to ensure the trade free from all legal discrepancies. We import or export commodities through proper channels and adherence of law in this connection is strictly observed and we have zero tolerance for any unlawful act.

7 Government Taxes

We pay all the local, regional and international taxes/levies/charges payable on the trade, import and export of the commodities. Our clients are permitted to deduct all applicable taxes from our payments.

8 Affiliated Concerns:

8.1 Ghadeer Inc (M) Sdn. Bhd. Malaysia.

The Company is Malaysian based Manufacturer of environmentally friendly, technologically advanced, scientifically proven and nutritionally rich liquid fertilizer products. Government of Malaysia (Matrade) selected only Ghadeer Inc (M) Sdn. Bhd., in Fertilizer sector to represent Malaysia in **13th OIC Exhibition 2011 at Sharjah, United Arab Emirates.**

Environmental Friendly Product

GreenShine Fertilizer is environmental friendly and free from elements which may cause air or land pollution. The application of GSF does not result in loss of biodiversity, temporary or permanent decline in the productive capacity of the land or change in vegetative cover and soil nutrients. SGS Taiwan/Malaysia and PCSIR Pakistan have certified that our product is non-hazardous to soil and bio-diversity.

Some Key Achievements

- SGS Taiwan/Malaysia certified our Product for European Standard REACH and declared that the product is free from environmental hazardous elements.
- Plants at Putra Jaya, Malaysia were not responding to regular Fertilizers, because most of top soil has been removed for preparation of land for construction. However on the application of Green Spot Fertilizer growth response in Putrajaya plants proved that there was quick absorption of GSF and also leaching losses were nil which will help improvement of Eutrophication of lakes in Putrajaya.
- Successfully converted non-fruiting olive trees to fruit bearing trees with the treatment of Green Spot Fertilizer at Pakistan Agriculture Research Council, Islamabad, Pakistan. The Olive Trees were bearing no fruits for last 20 years despite many treatments.
- Ghadeer Inc (M) Sdn. Bhd. Is registered with UNGM under registration No. 358151

8.2 Turabworld Inc Intl. Pakistan

Is main driver of the entire operation from mining to R&D to export platform for our products from Pakistan. It ensures the quality, availability of stock, shipments and other terms on our behalf in Pakistan.

9 Pictorial

Our Mines Area, Pakistan



Rock Phosphate in Lump Form



Rock Phosphate Crushed



Raw Rock Phosphate Material From our Mines



Granular Rock Phosphate



10 Contact and Locations

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Location Map

